## Amendments to the Claims

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1	1. (currently amended) A computer implemented method for improving a
2	solution to a combinatorial optimization problem including a plurality of
3	elements and a plurality of values, comprising the steps of:
4	applying a priority algorithm in a form of an ordering function to an
5	instance of the combinatorial optimization problem to produce an initial
6	solution including an ordering of the elements;
7	modifying the ordering of the elements of the initial solution to
8	produce a re-ordering of the elements;
9	applying a placement function to map values to the corresponding
10	elements of the re-ordering; and
11	repeating the modifying and the applying until all elements have bee
12	placed to obtain an improved solution of the combinatorial optimization
13	problem, and storing the improved result in a memory.
1	2. (previously presented) The method of claim 1, in which the priority
2	algorithm is fixed.
1	3. (previously presented) The method of claim 1, in which the priority
2	algorithm is dynamic.

4. (original) The method of claim 1, in which the re-ordering is within a

predetermined distance of the ordering.

- 1 5. (original) The method of claim 4, in which the distance is a Kendall-tau
- 2 distance.

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- 1 6. (previously presented) The method of claim 1, in which the re-ordering
- 2 uses a decision vector, and in which the decision vector has one field for
- 3 each element of the order, each field determining a new order of the element
- 4 in the re-ordering.
- 1 7. (original) The method of claim 1, in which the re-ordering is probabilistic.
  - 8. (previously presented) A computer storing a computer program which
- 2 when executed by the computer performs a method for improving a solution
- 3 to a combinatorial optimization problem including a plurality of elements
- 4 and a plurality of values by performing the steps of:
- applying a priority algorithm in a form of an ordering function to an instance of the combinatorial optimization problem to produce an initial
- 7 solution including an ordering of the elements;
- 8 modifying the ordering of the elements to produce a re-ordering of the 9 elements:
- applying a placement function to map values to the corresponding elements of the re-ordering; and
- 12 repeating the modifying and the applying until all elements have been
- placed to obtain a an improved solution of the combinatorial optimization
  problem.
  - 9. (canceled)

- 1 10. (previously presented) The method of claim 3, in which the re-ordering
- 2 is within a predetermined distance of the ordering.
- 1 11. (previously presented) The method of claim 10, in which the distance is
- 2 a Kendall-tau distance.
- 1 12. (previously presented) The method of claim 3, in which the re-ordering
- 2 uses a decision vector, and in which the decision vector has one field for
- 3 each element of the order, each field determining a new order of the element
- 4 in the re-ordering.
- 1 13. (previously presented) The method of claim 3, in which the re-ordering
- 2 is probabilistic.